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SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 16 77 13 48

Classification of the application (IPC):
C07H 19/10, C07H 19/20, C07H 1/00, A61K 31/7076, A61K 31/7068,
A61P 35/00, A61P 35/02

Technical fields searched (IPC):
C07H, A61K

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
E	EP 3214090 A1 (FUJIFILM CORP [JP]) 06 September 2017 (2017-09-06) * abstract * * page 36 - page 52; examples 1-1 to 7-3; tables 1-7 * * page 86, paragraph [0582] - page 88, paragraph [0591]; table 23 *	1-14
X Y	YOSHIMURA YUICHI ET AL: "Synthesis and biological activities of 2'-deoxy-2'-fluoro-4'-thioarabinofuranosylpyrimidine and -purine nucleosides" <i>BIOORGANIC & MEDICINAL CHEMISTRY, PERGAMON, GB</i> , 01 January 2000 (2000-01-01), vol. 8, no. 7, DOI: 10.1016/S0968-0896(00)00065-1, ISSN: 0968-0896, pages 1545-1558, XP085020195 * Introduction;page 1545 * * page 1546; compound 6 * * page 1549; tables 2, 3 *	1-14 1-15
X,D Y	YUICHI YOSHIMURA ET AL: "An Alternative Synthesis of the Antineoplastic Nucleoside 4'-ThioFAC and Its Application to the Synthesis of 4'-ThioFAG and 4'-Thiocytarazid" <i>THE JOURNAL OF ORGANIC CHEMISTRY</i> , 01 October 1999 (1999-10-01), vol. 64, no. 21, DOI: 10.1021/jo990958g, ISSN: 0022-3263, pages 7912-7920, XP055195175 * page 7915, lines 23-28 * * page 7912; compounds 2, 4 *	1-14 1-15
X Y	YOSHIMURA Y ET AL: "A novel synthesis of 2'-modified 2'-deoxy-4'-thiocytidines from D-glucose" <i>JOURNAL OF ORGANIC CHEMISTRY</i> , 16 May 1997 (1997-05-16), vol. 62, no. 10, DOI: 10.1021/JO9700540, ISSN: 0022-3263, pages 3140-3152, XP002606720 * abstract * * page 3140; compounds 11, 12 * * page 3141, right-hand column, lines 1-9 *	1, 2, 4-14 1-15

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 09 October 2018	Examiner Gohlke, Pascale
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CATEGORY OF CITED DOCUMENTS

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
Y	<p>UGO PRADERE ET AL: "Synthesis of Nucleoside Phosphate and Phosphonate Prodrugs" <i>CHEMICAL REVIEWS</i>, 24 September 2014 (2014-09-24), vol. 114, no. 18, DOI: 10.1021/cr5002035, ISSN: 0009-2665, pages 9154-9218, XP055203528</p> <p>* Introduction;page 9154 *</p> <p>* page 9186, right-hand column; figure 32 *</p>	1-15
Y	<p>MAGDALENA SLUSARCZYK ET AL: "Application of ProTide Technology to Gemcitabine: A Successful Approach to Overcome the Key Cancer Resistance Mechanisms Leads to a New Agent (NUC-1031) in Clinical Development" <i>JOURNAL OF MEDICINAL CHEMISTRY</i>, 27 February 2014 (2014-02-27), vol. 57, no. 4, DOI: 10.1021/jm401853a, ISSN: 0022-2623, pages 1531-1542, XP055205033</p> <p>* Title *</p> <p>* abstract *</p> <p>* Introduction;page 1531 *</p> <p>* page 1532, left-hand column, paragraph third *</p>	1-15
Y	<p>WO 2007056596 A2 (UNIV WAYNE STATE [US]; SHIELDS ANTHONY F [US]; ZEMLICKA JIRI [US]; NIM) 18 May 2007 (2007-05-18)</p> <p>* abstract *</p> <p>* page 2, lines 3-28 *</p>	1-15
Y	<p>SANDRA C TOBIAS ET AL: "Synthesis and Biological Evaluation of a Cytarabine Phosphoramidate Prodrug" <i>MOLECULAR PHARMACEU, AMERICAN CHEMICAL SOCIETY, US</i>, 01 March 2004 (2004-03-01), vol. 1, no. 2, DOI: 10.1021/MP034019V, ISSN: 1543-8384, pages 112-116, XP009186775</p> <p>* abstract *</p> <p>* Introduction;page 112 *</p>	1-15

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 09 October 2018	Examiner Gohlke, Pascale
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			BR 112017009168 A2 19-12-2017		
			CA 2966138 A1 06-05-2016		
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